UTILITY PATENT APPLICATION TRANSMITTAL (Small Entity)

Docket No. APV31642

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Fotal Pages in this Submission

TO THE ASSISTANT COMMISSIONER FOR PATENTS

			Box Patent Application Washington, D.C. 20231									
Trans invent			rewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an	ļ								
AN	CASTINGS OF METALLIC ALLOYS WITH IMPROVED SURFACE QUALITY, STRUCTURAL INTEGRITY AND MECHANICAL PROPERTIES FABRICATED IN REFRACTORY METALS AND REFRACTORY METAL CARBIDES COATED GRAPHITE MOLDS UNDER VACUUM											
and in	vente	ed by	<i>/</i> :									
	ijan I iald V		COTT	036								
If a C	ONT	INUA	ATION APPLICATION, check appropriate box and supply the requisite information:									
		inuat	tion Divisional Continuation-in-part (CIP) of prior application No.:									
Which	Conti	huat	tion Divisional Continuation-in-part (CIP) of prior application No.:									
		ί inuat	tion Divisional Continuation-in-part (CIP) of prior application No.:									
Enclo	sed a	are:	Application Elements									
			Application Lientents									
1.	X	Filin	ng fee as calculated and transmitted as described below									
2.	X	Spe	ecification having pages and including the following:									
	a.	×	Descriptive Title of the Invention									
	b.		Cross References to Related Applications (if applicable)									
	C.		Statement Regarding Federally-sponsored Research/Development (if applicable)									
	d.		Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix									
	e.	\boxtimes	Background of the Invention									
	f.	\boxtimes	Brief Summary of the Invention									
	g.	\boxtimes	Brief Description of the Drawings (if filed)									
	h.	X	Detailed Description									
	i.	X	Claim(s) as Classified Below									
	j.	\boxtimes	Abstract of the Disclosure									



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Application Elements (Continued) 3. Drawing(s) (when necessary as prescribed by 35 USC 113) a. 🛛 Formal Number of Sheets b. 🗆 Informal **Number of Sheets** ☑ Oath or Declaration Unexecuted Newly executed (original or copy) b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional application only) ■ Without Power of Attorney c. With Power of Attorney DELETION OF INVENTOR(S) d. 🗌 Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b). 5. Incorporation By Reference (usable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein. ☐ CD ROM or CD-R in duplicate, large table or Computer Program (Appendix) 7. Application Data Sheet (See 37 CFR 1.76) a. Computer Readable Form (CFR) b. Specification Sequence Listing on: CD-ROM or CD-R (2 copies); or i. 🔲 ii. 🔲 Paper c. Statement(s) Verifying Identical Paper and Computer Readable Copy **Accompanying Application Parts** □ Assignment Papers (cover sheet & document(s)) 12. Information Disclosure Statement/PTO-1449 Copies of IDS Citations 13. Preliminary Amendment 14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 16. Certificate of Mailing ☐ First Class ☐ Express Mail (Specify Label No.):

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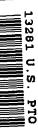
	Accompanying Application Parts (Continued)									
17.	X	Applicant claims small entity status. See 37 CFR 1.27.								
		☐ (Optional) Small Entity Statement(s) - Specify Number of Statements Submitted:								
18.		Additional Enclosures (please identify below):								
		Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)								
19.		Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.								
		Warning								
		An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.								

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Fee Calculation and Transmittal

		CLAIMS	S AS FILED				
For	#Filed	#Allowed	#Extra		Rate		Fee
		- 20 =	17	x	\$9.00		\$153.00
Total Claims	37		0	×	\$42.00		\$0.00
Indep. Claims	dep. Claims 2 - 3 -						
Multiple Depender	nt Claims (chec	k if applicable)				BASIC FEE	\$375.00
		\$40.00					
OTHER FEE (spe	\$568.00						
						L FILING FEE	

A check in the amount of

\$568.00

to cover the filing fee is enclosed.

☑ The Commissioner is hereby authorized to charge and credit Deposit Account No. as described below. A duplicate copy of this sheet is enclosed.

19-4375

Charge the amount of

as filing fee.

☑ Credit any overpayment.

☐ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.

☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance,

pursuant to 37 C.F.R. 1.311(b).

Dated:

CC:

THE APPLICANT HEREWITH PETITIONS THE PTO TO EXTEND THE TIME FOR RESPONSE AS REQUIRED TO MAKE THE ATTACHED DOCUMENT TIMELY FILED.
PLEASE CHARGE THE COST THEREOF

TO DEPOSIT ACCOUNT 19-4375

Anthony P. Venturino Reg. No. 31,674

STEVENS, DAVIS, MILLER & MOSHER, LLP 1615 L Street NW, Suite 850 Washington, DC 20036

Signature

STEVEN DAVIS MILLER & MOSHER, L.L.P.

Tel.: 202-785-0100 Fax: 202-408-5200